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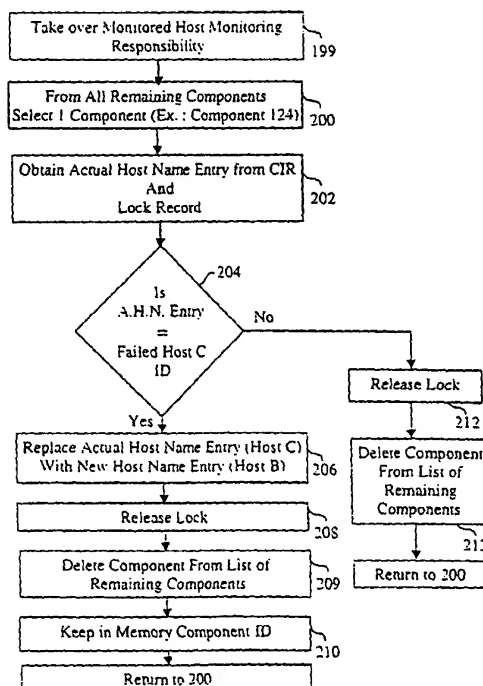
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR AUTOMATIC RE-ASSIGNMENT OF SOFTWARE COMPONENTS OF A FAILED HOST



(57) Abstract: In a network of co-operating hosts (80, 82, 84, 86, 88), a method and system for automatic re-assignment of software components (110, 112) of a failed host to co-operating monitoring (82, 86) or back-up hosts. In a preferred embodiment, a Central Information Repository (CIR), such as an LDAP server, keeps track of software components (110, 112) running on the network hosts (80, 82, 84, 86, 88) and a Monitoring Partnership Program (MPP), in which some hosts (80, 82, 84, 86, 88) monitor the activity of other hosts (80, 82, 84, 86, 88), is provided. Upon failure of a monitored host (84), a monitoring host (82, 86) detects the failure, and informs the other monitoring hosts (82, 86) or the other back-up hosts, if any, of the failure of the monitored host (84). The monitoring hosts (82, 86), and/or the back-up hosts query the CIR for obtaining the identity of the software components (110, 112) running on the failed host (84) before the failure, and select which such components (110, 112) each will start. The monitoring hosts (82, 86) and/or the back-up hosts then take over and start the failed components (110, 112). Upon recovery, the monitored host (84) queries the CIR and obtains the list of its software components, informs the CIR and the monitoring or back-up hosts (82, 86) that it will take over, and starts its components (110, 112), while the monitoring and/or the back-up hosts (82, 86) shut down the components (110, 112) they temporarily run.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F11/14 G06F9/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 981 089 A (LUCENT TECHNOLOGIES INC (US)) 23 February 2000 (2000-02-23) column 3, line 11 -column 8, line 47 abstract	1-26
Y	EP 0 990 986 A (NCR INT INC) 5 April 2000 (2000-04-05) column 1, line 45 -column 3, line 11 column 4, line 29 -column 12, line 53 abstract	1-26
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04, 31 August 2000 (2000-08-31) & JP 2000 010822 A (YOKOGAWA ELECTRIC CORP), 14 January 2000 (2000-01-14) abstract	1-26

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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